

FIG. 1

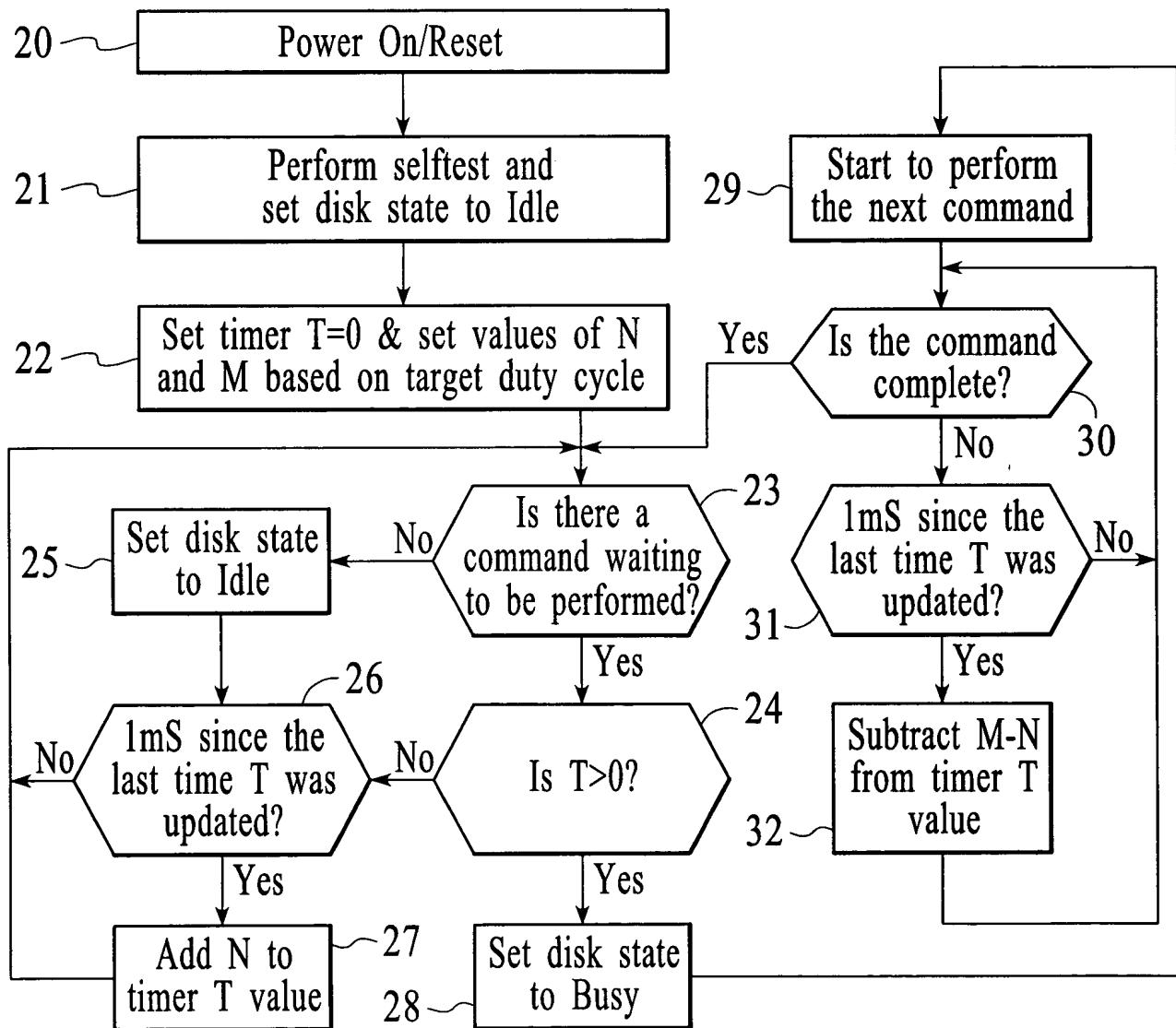


FIG. 2

Time at end of time period x	Timer/counter variable T at end of period	Disk drive state (Idle/Busy/Delay)	Command #'s waiting	Running average duty cycle %
1	1	Idle	None	0
2	2	Idle	None	0
3	3	Idle	None	0
4	0	Busy - Command #1	None	25
5	-3	Busy - Command #1	None	40
6	-2	Delay	Command #2	33
7	-1	Delay	Command #2	29
8	0	Delay	Command #2	25
9	-3	Busy - Command #2	None	33
10	-6	Busy - Command #2	None	40
11	-5	Delay	Command #3	36
12	-4	Delay	Command #3	33
13	-3	Delay	Command #3	31
14	-2	Delay	Command #3	29
15	-1	Delay	Command #3	27
16	0	Delay	Command #3	25
17	-3	Busy - Command #3	None	29
18	-6	Busy - Command #3	None	33
19	-9	Busy - Command #3	None	37
20	-8	Delay	None	35
21	-7	Delay	None	33
22	-6	Delay	None	32
23	-5	Delay	None	30
24	-4	Delay	None	29
25	-3	Delay	None	28
26	-2	Delay	None	27
27	-1	Delay	None	26
28	0	Delay	None	25
29	1	Idle	None	24
30	2	Idle	None	23

FIG. 3